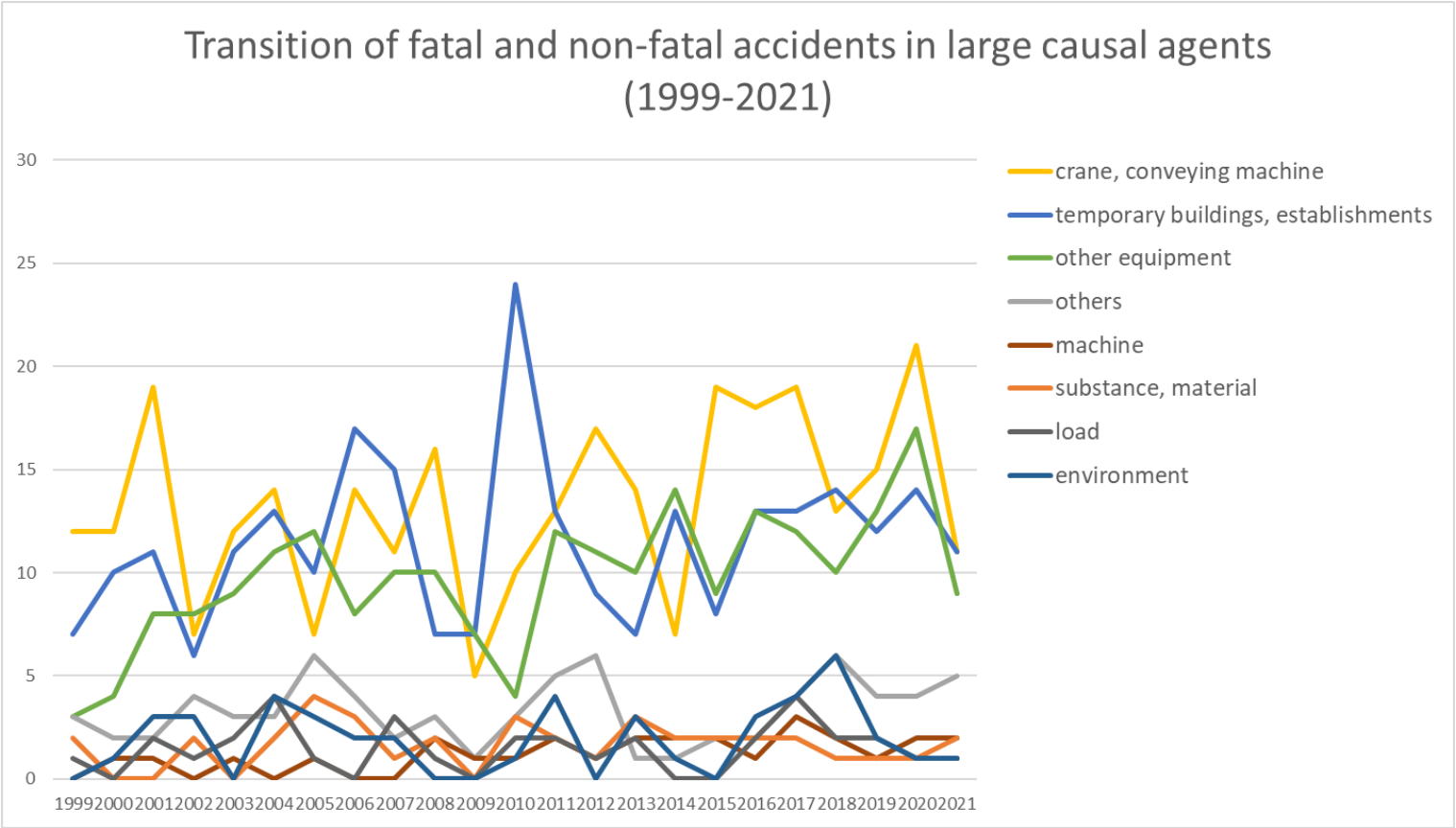
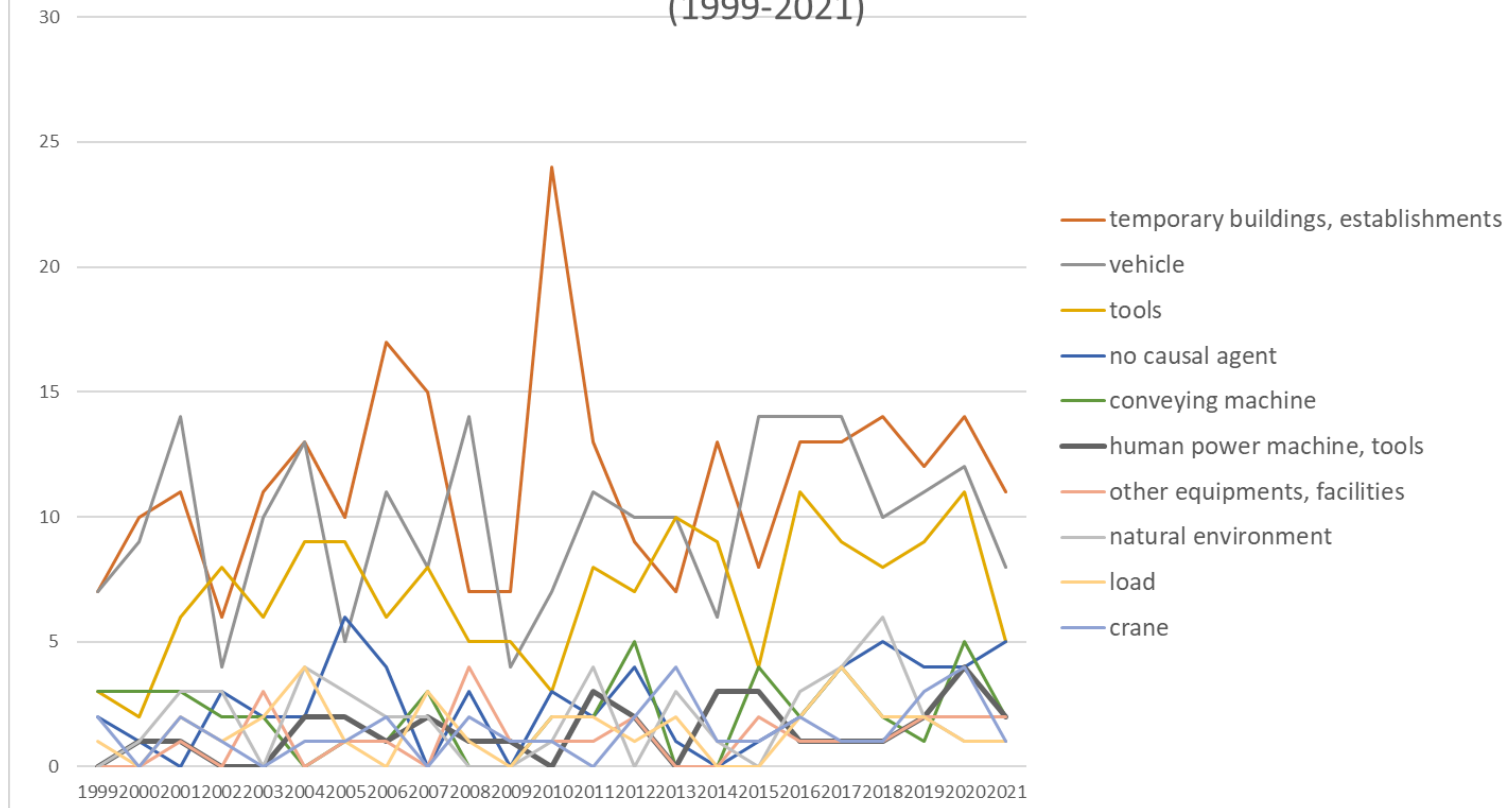


Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 040102 water transportation service (1999-2021)



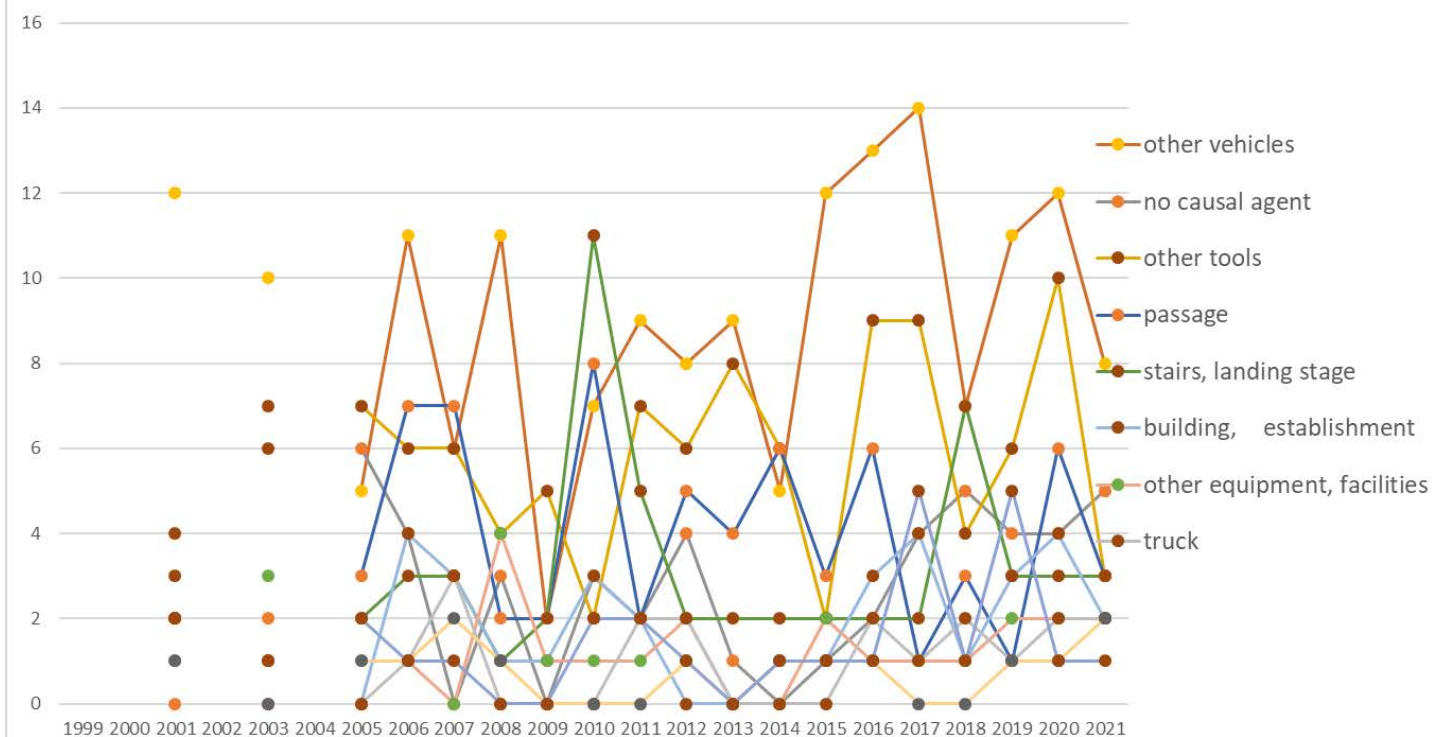
Transition of fatal and non-fatal accidents in large causal agents in code no. 040102 water transportation service (1999-2021)

Transition of fatal and non-fatal accidents in top 10 middle causal agents
(1999-2021)

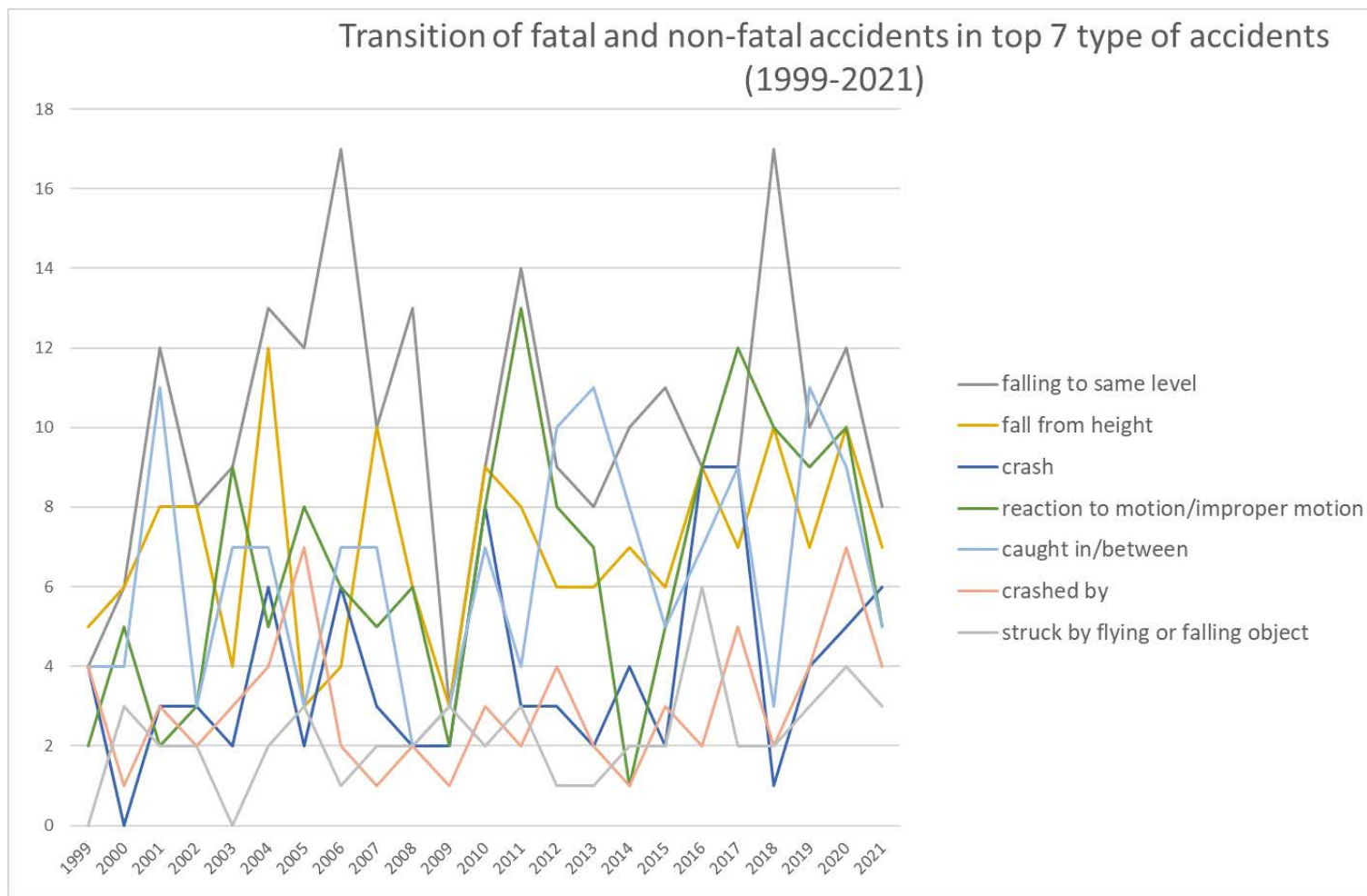


Transition of fatal and non-fatal accidents in middle causal agents in code no. 040102 water transportation service (1999-2021)

Transition of fatal and non-fatal accidents in top 10 small causal agents
(1999-2021)

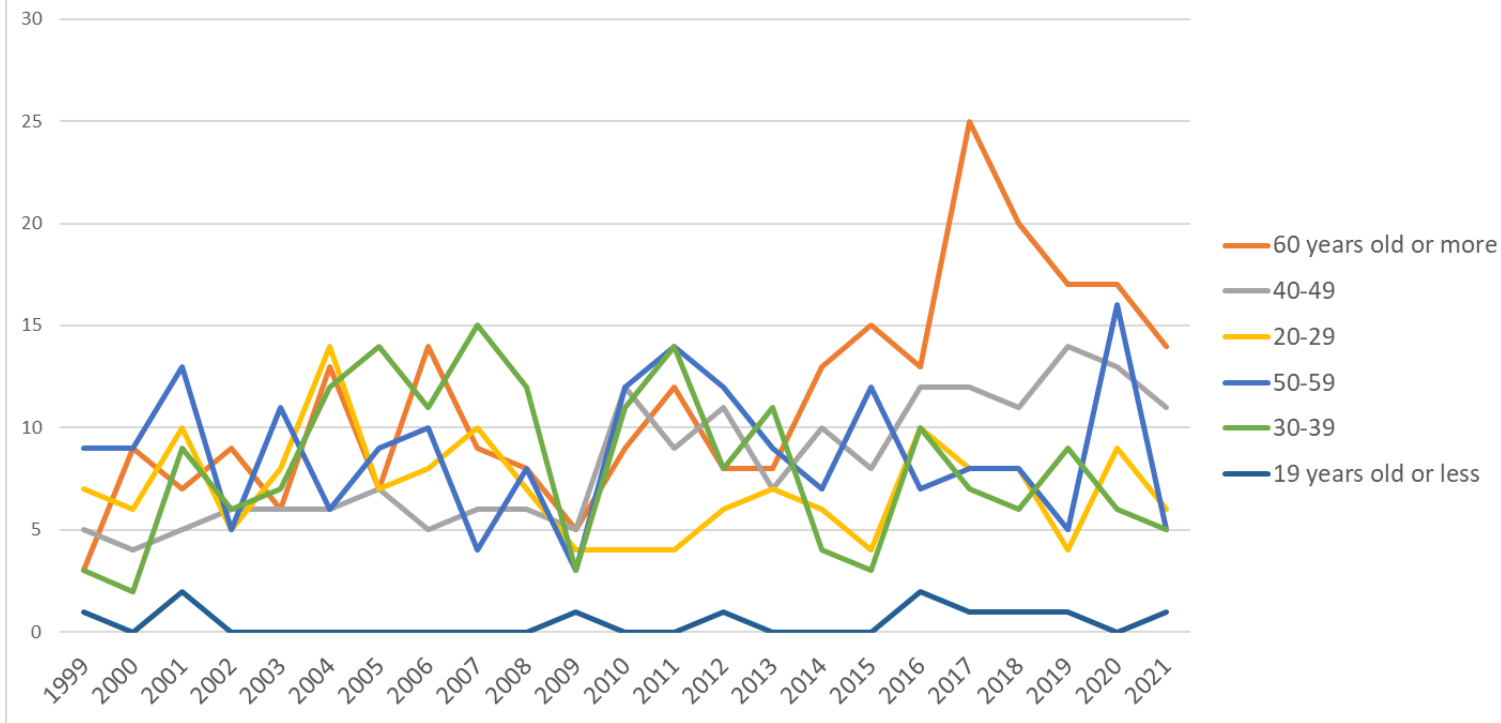


Transition of fatal and non-fatal accidents in small causal agents in code no. 040102 water transportation service (1999-2021)

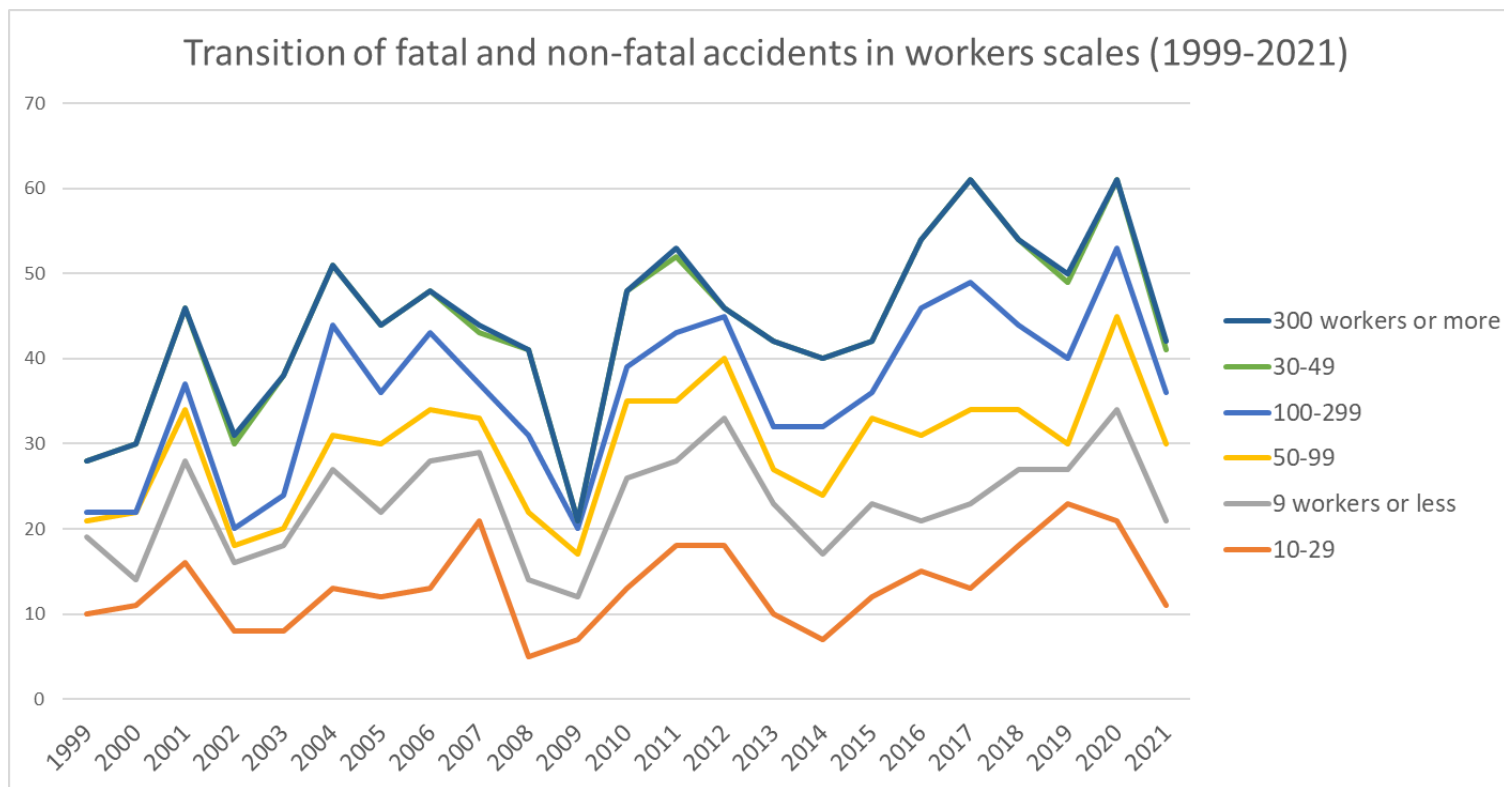


Transition of fatal and non-fatal accidents in type of accidents in code no. 040102 water transportation service (1999-2021)

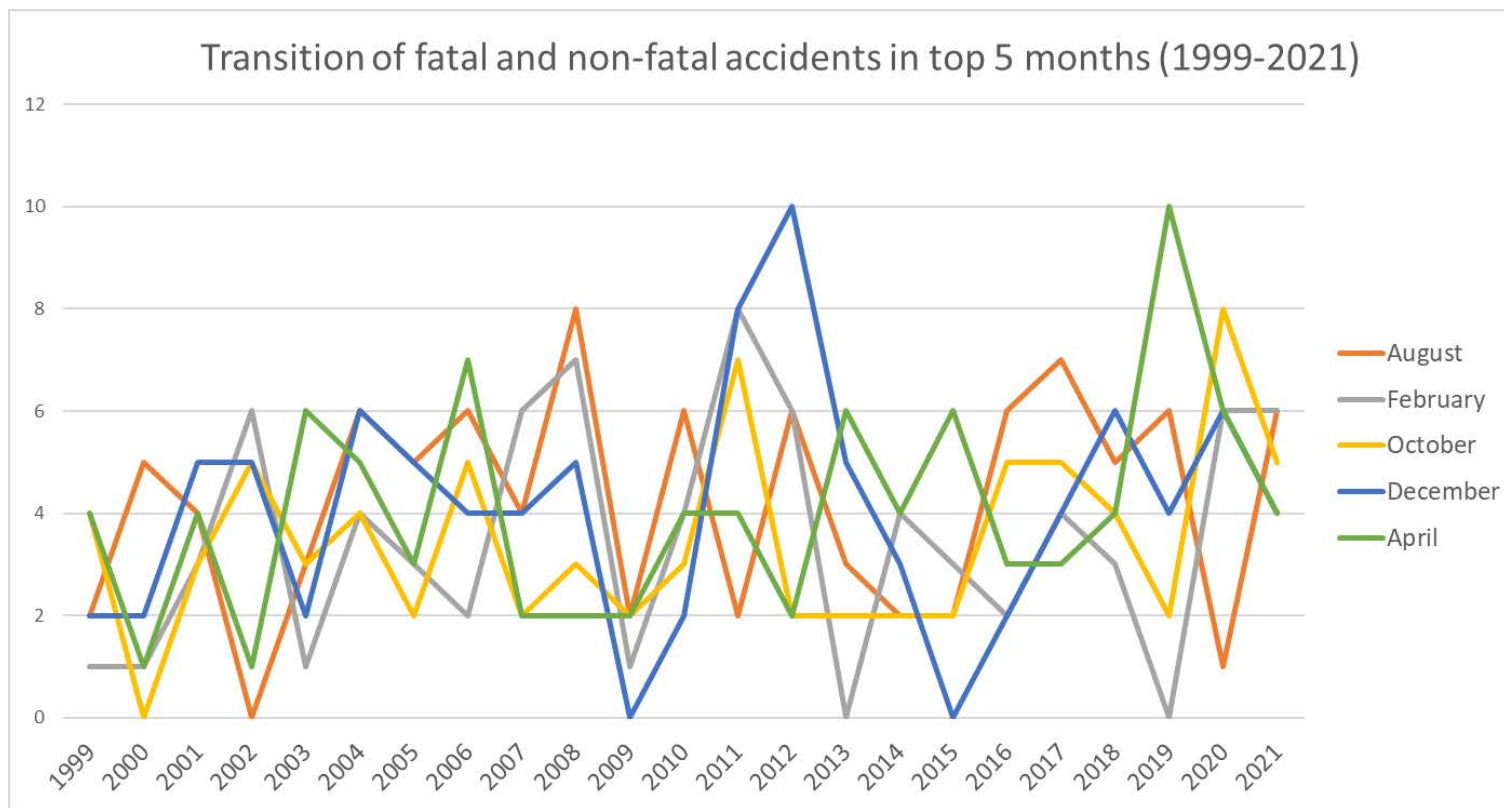
Transition of fatal and non-fatal accidents in workers ages (1999-2021)



Transition of fatal and non-fatal accidents in workers ages in code no. 040102 water transportation service (1999-2021)

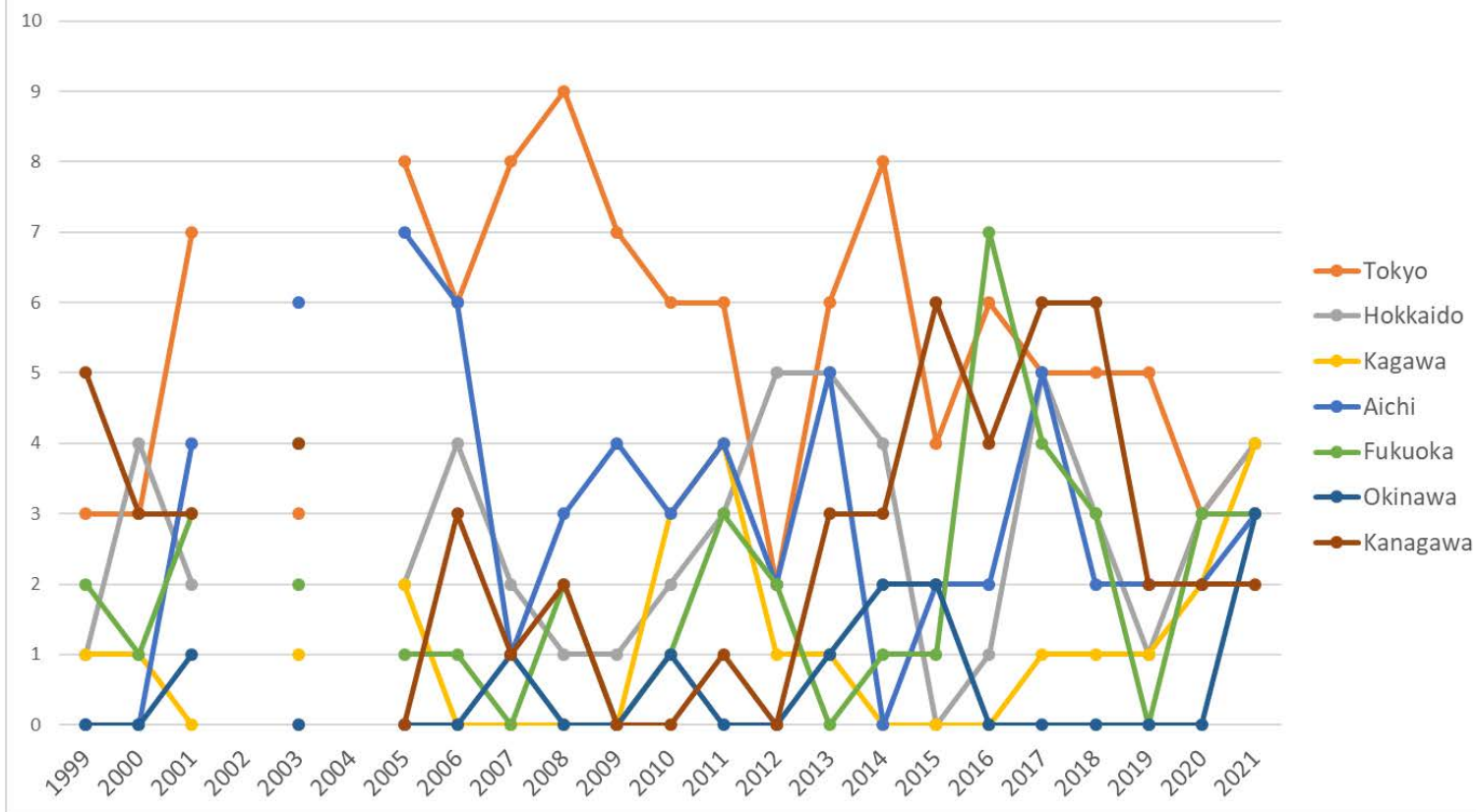


Transition of fatal and non-fatal accidents in workers scales in code no. 040102 water transportation service (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 040102 water transportation service (1999-2021)

Transition of fatal and non-fatal accidents in top 7 prefectures (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 040102 water transportation service (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 040102 water transportation service (1999-2021)

code	Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents
2	crane, conveying machine	12	12	19	7	12	14	7	14	11	16	5	10	13	17	14	7	19	18	19	13	15	21	11	306	crane, conveying machine
4	temporary buildings, establishments	7	10	11	6	11	13	10	17	15	7	7	24	13	9	7	13	8	13	13	14	12	14	11	265	temporary buildings, establishments

																										establishments
3	other equipment	3	4	8	8	9	11	12	8	10	10	7	4	12	11	10	14	9	13	12	10	13	17	9	224	other equipment
9	others	3	2	2	4	3	3	6	4	2	3	1	3	5	6	1	1	2	2	4	6	4	4	5	76	others
1	machine		1	1		1		1			2	1	1	2	1	2	2	2	1	3	2	1	2	2	28	machine
5	substance, material	2			2		2	4	3	1	2		3	2	1	3	2	2	2	2	1	1	1	2	38	substance, material
6	load	1		2	1	2	4	1		3	1		2	2	1	2			2	4	2	2	1	1	34	load
7	environment		1	3	3		4	3	2	2			1	4		3	1		3	4	6	2	1	1	44	environment
	total	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 040102 water transportation service (1999-2021)

code	Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents
41	temporary buildings, establishments	7	10	11	6	11	13	10	17	15	7	7	24	13	9	7	13	8	13	13	14	12	14	11	265	temporary buildings, establishments
23	vehicle	7	9	14	4	10	13	5	11	8	14	4	7	11	10	10	6	14	14	14	10	11	12	8	226	vehicle
37	tools	3	2	6	8	6	9	9	6	8	5	5	3	8	7	10	9	4	11	9	8	9	11	5	161	tools
92	no causal agent	2	1		3	2	2	6	4		3		3	2	4	1		1	2	4	5	4	4	5	58	no causal agent
22	conveying machine	3	3	3	2	2		1	1	3			2	2	5			4	2	4	2	1	5	2	47	conveying machine
36	human power machine, tools		1	1			2	2	1	2	1	1		3	2		3	3	1	1	1	2	4	2	33	human power machine, tools

39	other equipments, facilities			1		3		1	1		4	1	1	1	2			2	1	1	1	2	2	2	2	26	other equipments, facilities
71	natural environment		1	3	3		4	3	2	2			1	4		3	1		3	4	6	2	1	1	44	natural environment	
61	load	1		2	1	2	4	1		3	1		2	2	1	2			2	4	2	2	1	1	34	load	
21	crane	2		2	1		1	1	2		2	1	1		2	4	1	1	2	1	1	3	4	1	33	crane	
52	materials	2			2		2	2	2	1	2		3	1		2	2	2	2	2	1	1	1	1	31	materials	
15	metal manufacturing machine			1							1								1	1	1	1	1	1	8	metal manufacturing machine	
16	general machine		1					1				1					1	1		1				1	7	general machine	
51	hazards, harmful substances							2	1					1	1	1								1	7	hazards, harmful substances	
91	other causal agent	1		2	1	1	1			1		1		3	2		1				1				15	other causal agent	
13	woodworking machine					1								1	1	1				1					5	woodworking machine	
11	engine										1							1			1				3	engine	
14	construction machine															1	1						1		3	construction machine	
33	welding equipment		1														1			1					3	welding equipment	

99	unclassifiable		1						1								1								3	unclassifiable
12	power transmission mechanism											1	1												2	power transmission mechanism
31	pressure vessel															1									1	pressure vessel
17	mobile silviculture machine																									mobile silviculture machine
32	chemical facilities																									chemical facilities
34	kiln, caldron																									kiln, caldron
35	electric equipment																									electric equipment
	total	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	total

[illegible]

[illegible]

362	hauling equipment						1				1		2	1		2	2		1		1	3		14	hauling equipment
219	other powered crane						1	1			1	1		2	1	1		1	1	1	1	1		13	other powered crane
222	forklift			1		1						2		1			3		2			3		13	forklift
521	metal material						1	1	1			2	1				2	2	1		1	1		13	metal material
911	other causal agent			2		1			1		1		3	2		1				1				12	other causal agent
711	natural ground, rock						1		2						2	1		2	1					9	natural ground, rock
713	water			1									4		1				2	1				9	water
212	mobile crane			2				1		2					1			1						7	mobile crane
529	other materials						1			2					1	2				1				7	other materials
153	grinding machine, buffing machine			1															1	1	1	1		5	grinding machine, buffing machine
411	scaffolding					1							1			1		1	1					5	scaffolding
612	machine/equipment as load			1						1									1	1				4	machine/equipment as load
715	high/cold temperature environment			1																1		1		4	high/cold temperature environment
111	engine									1							1			1				3	engine
215	cargo lifting appliance														1		1				1			3	cargo lifting appliance
224	conveyor													2					1					3	conveyor
121	power transmission												1	1										2	power transmission

	mechanism																									mechanism
131	circular sawing machine					1													1						2	circular sawing machine
136	chain saw												1		1										2	chain saw
149	other construction machines														1								1		2	other construction machines
165	food manufacturing machine																1		1						2	food manufacturing machine
229	other powered conveying machines							1										1							2	other powered conveying machines
361	human power cranes													1							1				2	human power cranes
514	harmful substance							2																	2	harmful substance
999	unclassifiable									1								1							2	unclassifiable
133	wood planer machine														1										1	wood planer machine
142	excavating machine																1								1	excavating machine
151	lathe									1															1	lathe
159	other metal manufacturing machines																		1						1	other metal manufacturing machines
162	mixer, grinder																1								1	mixer, grinder
217	lumberyard equipment, logging cableway																					1			1	lumberyard equipment, logging cableway

[illegible]

412	timbering																										timbering
415	roof, beam, haze, crossbeam, principal rafter																										roof, beam, haze, crossbeam, principal rafter
511	explosive substance																										explosive substance
515	radiation																										radiation
523	stone, sand, substance																										stone, sand, substance
714	abnormal environment																										abnormal environment
	total			46		38		44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	875		total

Transition of fatal and non-fatal accidents in type of accidents in code no. 040102 water transportation service (1999-2021)

[illegible]

04	struck by flying or falling object		3	2	2		2	3	1	2	2	3	2	3	1	1	2	2	6	2	2	3	4	3	51	struck by flying or falling object
08	cut	2	1	1		2		2	1	1	2	1			2	1	3	2	1	2	1	1	2	1	29	cut
11	contact to high/low-temperature	1	1	1	1	1	1		2		2				1	1	2	2	1	2	2		1	1	23	contact to high/low-temperature
10	drown	1	1					1						4	1	1	1	2		2	2			1	17	drown
12	contact to harmful substance							2								1								1	4	contact to harmful substance
17	traffic accident (public road)	1	1						1	2	3	1		2	1		1	2			3		1		19	traffic accident (public road)
05	collapse			1	1			1		2	1	1				1				1					9	collapse
18	traffic accident (others)		1	2		1							1							1					6	traffic accident (others)
90	others						1		1				1	1							1	1			6	others
13	electric shock																		1						1	electric shock
99	unclassifiable									1															1	unclassifiable
09	injury to the sole of the foot																									injury to the sole of the foot
14	explosion																									explosion
15	burst																									burst
16	fire																									fire
	total	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	total

code	Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
6	60 years old or more	3	9	7	9	6	13	7	14	9	8	5	9	12	8	8	13	15	13	25	20	17	17	14	261	60 years old or more
4	40-49	5	4	5	6	6	6	7	5	6	6	5	12	9	11	7	10	8	12	12	11	14	13	11	191	40-49
2	20-29	7	6	10	5	8	14	7	8	10	7	4	4	4	6	7	6	4	10	8	8	4	9	6	162	20-29
5	50-59	9	9	13	5	11	6	9	10	4	8	3	12	14	12	9	7	12	7	8	8	5	16	5	202	50-59
3	30-39	3	2	9	6	7	12	14	11	15	12	3	11	14	8	11	4	3	10	7	6	9	6	5	188	30-39
1	19 years old or less	1		2								1			1				2	1	1	1		1	11	19 years old or less
	total	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	total

code	Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
2	10-29	10	11	16	8	8	13	12	13	21	5	7	13	18	18	10	7	12	15	13	18	23	21	11	303	10-29
1	9 workers or less	9	3	12	8	10	14	10	15	8	9	5	13	10	15	13	10	11	6	10	9	4	13	10	227	9 workers or less
4	50-99	2	8	6	2	2	4	8	6	4	8	5	9	7	7	4	7	10	10	11	7	3	11	9	150	50-99
5	100-299	1		3	2	4	13	6	9	4	9	3	4	8	5	5	8	3	15	15	10	10	8	6	151	100-299
3	30-49	6	8	9	10	14	7	8	5	6	10	1	9	9	1	10	8	6	8	12	10	9	8	5	179	30-49
6	300 workers or more				1					1				1								1		1	5	300 workers or more
	total	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	total

[illegible]

code	Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
8	August	2	5	4		3	6	5	6	4	8	2	6	2	6	3	2	2	6	7	5	6	1	6	97	August
2	February	1	1	3	6	1	4	3	2	6	7	1	4	8	6		4	3	2	4	3		6	6	81	February
10	October	4		3	5	3	4	2	5	2	3	2	3	7	2	2	2	2	5	5	4	2	8	5	80	October
12	December	2	2	5	5	2	6	5	4	4	5		2	8	10	5	3		2	4	6	4	6	4	94	December
4	April	4	1	4	1	6	5	3	7	2	2	2	4	4	2	6	4	6	3	3	4	10	6	4	93	April
7	July	3	4	4	2	2	6	9	4	3	3	2	2	1	2	4	2	4	6	3	4	6	5	4	85	July
11	November	3	3	5	1	2	7	2	4	5	2	2	2	2	3	6	3	3	1	4	4	5	9	3	81	November
9	September	2	2	2	2	4	2		3	4	1	2	3	4	3	7	8	3	2	4	2	2	3	3	68	September
5	May	1	5	7	4	5	4	4	3	8	3	2	10	4	4	2	3	6	4	9	5	4	5	2	104	May
1	January	3	4	4	1	5	2	4	5	1	4	3	4	4	4	2	7	6	4	5	6	1	7	2	88	January
6	June	1	2	2	2	1	2	3	1	3	1	1	5	2	2	3	1	3	12	7	5	3	2	2	66	June
3	March	2	1	3	2	4	3	4	4	2	2	2	3	7	2	2	1	4	7	6	6	7	3	1	78	March
	total	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	total

Transition of fatal and non-fatal accidents in prefectures in code no. 040102 water transportation service (1999-2021)

code	Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
13	Tokyo	3	3	7		3		8	6	8	9	7	6	6	2	6	8	4	6	5	5	5	3	4	114	Tokyo
1	Hokkaido	1	4	2		4		2	4	2	1	1	2	3	5	5	4		1	5	3	1	3	4	57	Hokkaido
37	Kagawa	1	1			1		2					3	4	1	1				1	1	1	2	4	23	Kagawa
23	Aichi			4		6		7	6	1	3	4	3	4	2	5		2	2	5	2	2	2	3	63	Aichi
40	Fukuoka	2	1	3		2		1	1		2		1	3	2		1	1	7	4	3		3	3	40	Fukuoka
47	Okinawa			1						1			1			1	2	2						3	11	Okinawa
14	Kanagawa	5	3	3		4			3	1	2			1		3	3	6	4	6	6	2	2	2	56	Kanagawa

27	Osaka	2	1	2				2	2	3	1		4	3		2		1	4	2		4	3	2	38	Osaka
42	Nagasaki	1				2		1	2	1	1		1	2	1	2	1	3		3	4	3	3	2	33	Nagasaki
20	Nagano					1					1			1					1		2			2	8	Nagano
32	Shimane													2	1					1			1	2	7	Shimane
26	Kyoto	2		2		1		2	6	6	2	2	3	6	1	4	2	1	7	8	6	5	2	1	69	Kyoto
34	Hiroshima	4		2		3				3	3	1	3	3	3	1	2	2	1	2	2	5	5	1	46	Hiroshima
15	Niigata	1		2				3	3	2	5	3	2	1	2	1	1	5	3	1	3	2	2	1	43	Niigata
28	Hyogo		3	3		1			2	5	1		5		3		4	2		4		3	6	1	43	Hyogo
33	Okayama		4			2		1	4	2	1		1			2	1	3	1	1		1	4	1	29	Okayama
43	Kumamoto		3	2				3	1		2		3	1	3	2							2	1	23	Kumamoto
24	Mie					2		1	1	2	3	1	1	1	1		1	1			2		2	1	20	Mie
38	Ehime	2	1	1		2				2	1		1		2	1	1	2			1	1	1	1	20	Ehime
46	Kagoshima	1		1				1		1		1						1	3	1	1	1	1	1	14	Kagoshima
36	Tokushima			1				2								1			1		1	1		1	8	Tokushima
7	Fukushima																				1			1	2	Fukushima
22	Shizuoka	3	1	2		1			1	1				4	1	1		3	3	3	1	1	5		31	Shizuoka
12	Chiba			2					1	1		1	4	1	2		1		3	1		2	1		20	Chiba
30	Wakayama			1					1					1	1		3		1	1		5	2		16	Wakayama
25	Shiga														3			1	2	3		1	2		12	Shiga
21	Gifu					1		1						1					2	2	2	2			11	Gifu
44	Oita							3	1		1			1	2		2				1				11	Oita
4	Miyagi					1		2		1			1	3		1				1					10	Miyagi
35	Yamaguchi		1			1					1		1			1	1		2	1					9	Yamaguchi

6	Yamagata		1					1	1						2					3					8	Yamagata
45	Miyazaki											1	1	2		1				1	1				7	Miyazaki
2	Aomori		2	2					1												1				6	Aomori
31	Tottori			1										2								2			5	Tottori
3	Iwate			1				1												1		1			4	Iwate
8	Ibaraki			1								1		1								1			4	Ibaraki
16	Toyama		1						1								1								3	Toyama
39	Kochi													1		1				1					3	Kochi
19	Yamanashi													1			1								2	Yamanashi
41	Saga													1						1					2	Saga
5	Akita										1														1	Akita
18	Fukui									1															1	Fukui
9	Tochigi																									Tochigi
10	Gunma																									Gunma
11	Saitama																									Saitama
17	Ishikawa																									Ishikawa
29	Nara																									Nara
	total	28	30	46		38		44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	933	total

Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm>

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